



5. The holographic stereogram exposure apparatus according to claim 3, wherein said object beam optical system vertically and horizontally divides said spatial light modulation means so that said holographic stereogram has parallaxes in vertical and horizontal directions.

6. The holographic stereogram exposure apparatus according to claim 3, wherein said superposed projection optical system in said object beam optical system superposes and projects parts of an image separately displayed by said spatial light modulation means in a parallax direction and projects this image as is in a non-parallax direction for using an image separately displayed on said spatial light modulation means as an aerial image.

7. The holographic stereogram exposure apparatus according to claim 6, wherein said beam-condensing projection optical system of said object beam optical system projects an image projected by said superposed projection optical system onto said hologram recording medium in a non-parallax direction and converges this image in a parallax direction.

8. The holographic stereogram exposure apparatus according to claim 7, wherein said beam-condensing projection optical system of said object beam optical system uses a first-group lens and a second-group lens to allow an image projected by said superposed projection optical system to enter a beam-condensing cylindrical lens.

9. The holographic stereogram exposure apparatus according to claim 8, wherein said beam-condensing projection optical system of said object beam optical system is provided with a correction lens between said first-group lens and said second-group lens



projecting, and converging beams passing through the plurality of separately displayed images, and projecting images corresponding to the number of separations on said hologram recording medium; and

a reference beam optical system for projecting a reference beam on said hologram recording medium for interference with said image projected on said hologram recording medium by said object beam optical system.